Edit the query directly, or use the form below



Search within Results: 17 found Start a new search instead	%28generating%20spreadsheet%20%20report%20and%20relational %20databases%20XML%20and%20external%20metadata%29% 20and%20%28internal%29	
Enter words, phrases or names below to revise your search. Surround phrases or full names with double quotation marks.		
Vords or Phrases Find [any field] with all of this text (and) any of this text (or) none of this text (not)	Names Find [any field] with names using ② all O any O none of the name	
Eind author's	Affiliations Find company or	
using © all O any O none of the keywords	using © all O any O none of the affiliations	
Publication Find Sublication using ② all O any O none of the names	Find publisher using O none of the names	
Published since [year] Published before [year]		
publication	is □ Report □ Bibliography □ Play	
Conference		
using ② all O any O none of the names	Find location using ② any O none of the locations	
using O any O none of the years		

Identification co	des		
Find ISBN/ ISSN		Find DOI	
Computing Classification System (CCS)		Required components	
Find node		Results	must have 🔲 Full Text 🔲 Abstract
Find subject/ noun		Review	
	☐ Look at primary category only		



The ACM Portal is published by the Association for Computing Machinery. Copyright @ 2009 ACM, Inc.

Terms of Usage Privacy Policy Code of Ethics Contact Us